
Introduction

Document overview

This document provides an introduction to the Integrated Services Digital Network (ISDN) and a description of the features available on the Meridian 1 with ISDN Primary Rate Interface (PRI). The chapters of this document cover the following topics:

- “Introduction” lists Meridian 1 reference documents and explains the format of this document.
- “ISDN product overview” on page 5 provides a functional overview of ISDN, as applied to the Meridian 1 environment.
- “Coordinating PRI parameters” on page 17 gives an overview of PRI parameters such as framing formats, line encoding, and error detection that must be coordinated with the far end PRI facility
- “Configuring PRI” on page 31 shows how to configure ISDN PRI and the D-channel.
- “Service verification” on page 57 provides verification for a new PRI system.
- “Correlation tables” on page 75 provides correlation tables for Meridian 1 to Meridian 1, Meridian 1 to DMS-100, and Meridian 1 to DMS-250.
- “Engineering guidelines” on page 95 lists Meridian 1 ISDN requirements.
- The ISDN feature descriptions provide a detailed description of PRI services and features. The feature modules are arranged alphabetically by feature name. The table of contents lists these modules.
- “Glossary” on page 779 lists acronyms.

References

For a reference of all Northern Telecom Publications, see:

— *Library navigator* (553-3001-000)

Refer to the following documents for system information:

— *Multi-purpose Serial Data Link description* (553-3001-195)

— *Meridian 1 system installation procedures* (553-3001-210)

— *Circuit card installation and testing* (553-3001-211)

— *Telephone and attendant console installation* (553-3001-215)

— *Upgrade system installation* (553-3001-250)

— *Disk drive upgrade procedures* (553-3001-251)

For ISDN documentation, see:

— *ISDN Primary Rate Interface installation* (553-2901-200)

— *ISDN Primary Rate Interface maintenance* (553-2901-500)

For software documentation, see:

— *Software conversion procedures* (553-2001-320)

— *X11 features and services* (553-3001-305)

— *X11 input/output guide* (553-3001-400)

For traffic reports documentation, see:

— *Traffic measurement formats and output* (553-2001-450)

For networking documentation, see:

- *Meridian Networking Feature Document* (P0710203)
- *Electronic Switched Network description* (309-3001-100)
- *Basic and Network Alternate Route Selection description* (553-2751-100)
- *Coordinated Dialing Plan description* (553-2751-102)
- *Network Queuing description* (553-2751-101)
- *MCDN Basic Call Service* (555-8001-101)
- *MCDN Integrated Services Access* (555-8001-102)
- *MCDN Network Ring Again* (555-8001-103)

Note 1: Throughout this document Meridian 1 refers to Meridian SL-1 ST, STE, NT, RT, and XT, and Meridian 1 system options 21, 21E, 51, 61, 71, and 81 unless otherwise noted.

Note 2: ISDN is an evolving product. Features and connectivities improve with each software release. To plan your system for future expansions, please consult with your Northern Telecom representative.